CM - Multi Split Series

R-410A Ultra High Efficiency Cassette Indoor unit

Cassette: 2,5 – 5 kw Capacity

Sedna Aire now offers ductless Multi split heat pumps that use the more efficient and environmentally friendly refrigerant (R-410A). The ductless system allows very easy integration into existing surroundings without major investment in ducts or radiators. It contains one outdoor and up to five indoor unit Wall mounted and/or Cassettes) and is especially dedicated to straight forward applications where more than one indoor unit are needed.

The new CM Series of Sedna Aire heat pumps offers outstanding performance as well as environmental protection. These models with their high efficient compressors in DC-Inverter technology offer when matched with our Solarcool™ panel panel highest efficiency rates in the industry: SEER: 8 (Cooling) and SCOP: 5,5 (Heating).

Cassettes are available for assembly in ceilings allowing luxury design and air distribution in all 4 directions. They are available in Euro-Grid (CMC-12/18) and non-Euro-Grid (CMC24). The manual explains the use and installation of the indoor cassettes only. The use and installation of the outdoor systems is described in other manuals

SolarCool™...*The Hotter it Gets, The Better It Works!*

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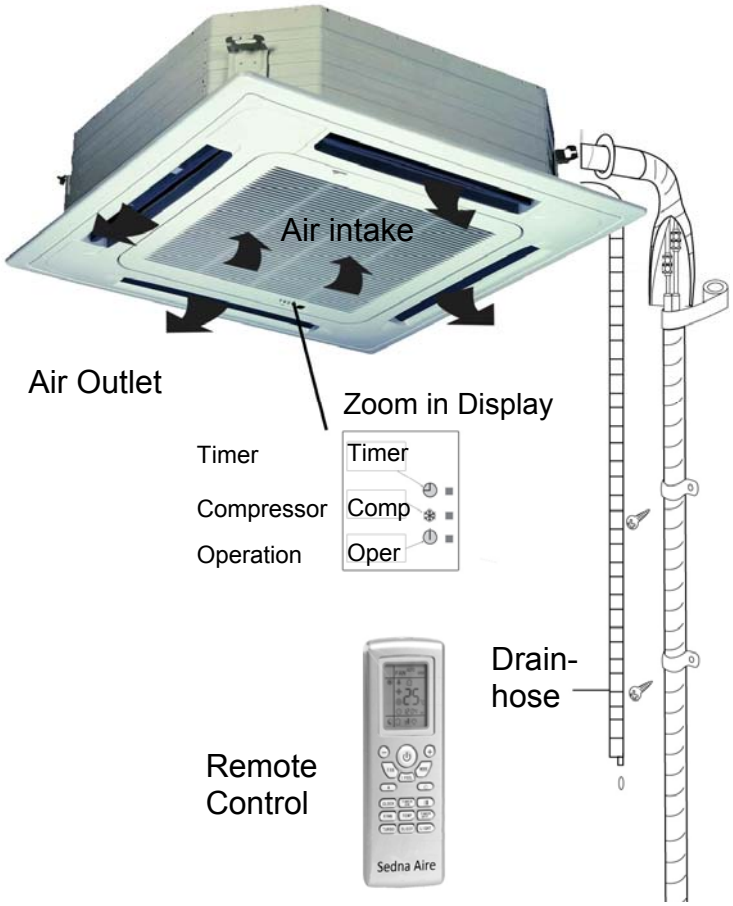
⚠ IMPORTANT

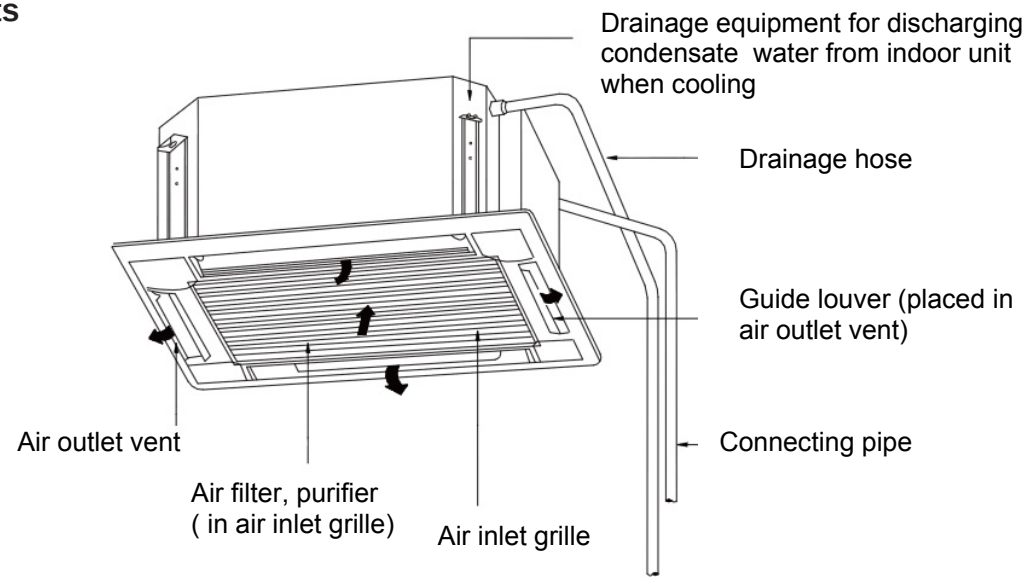
The installation and especially the connection between the outdoor unit and the Solarpanel shall be only performed by trained and skilled service personnel having the appropriate instruments. Sedna Aire does not take over any responsibility for direct and indirect damages causing from installation by unskilled and/or untrained persons.

1. NAME AND DESCRIPTION OF THE PARTS - CASSETTE

System overlook



Composing parts


Drainage equipment for discharging condensate water from indoor unit when cooling
Drainage hose
Guide louver (placed in air outlet vent)
Connecting pipe
Air outlet vent
Air filter, purifier (in air inlet grille)
Air inlet grille

⚠ 2. INSTRUCTIONS BEFORE INSTALLATION AND USE ⚠

⚠ **Earth:** The Ground wire of your outdoor and indoor units must be wired to the earth of your electricity supply acc. To local electrical building codes. If this lacks, please ask your service personnel to install it. Don't connect the earth wire to gas pipes, water pipes, drainage pipes or any other improper conductors.

★ **Air conditioners are to operate at 200-230V / 1 phase. All other voltages are not permitted.** They may destroy the unit. Be sure to have switched off the power supply when you are not using the unit for a longer time

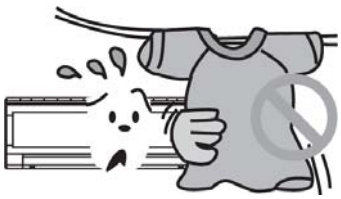
★ **Don't attempt to repair the air conditioner by yourself**
Wrong repair may cause an electric shock and may kill you

★ **Don't apply cold wind over longer time on you**
It may cause a cold and harm your health, especially over night when you sleep.

★ **If your detect unusual phenomenons like smell or burning smoke, turn off immediately the unit.** It may cause damage, electrical shocks and impact your health.

★ **Don't place a heater near the indoor unit of the air conditioner.** Air flow from the combustion can cause insufficient heating up by the indoor unit.

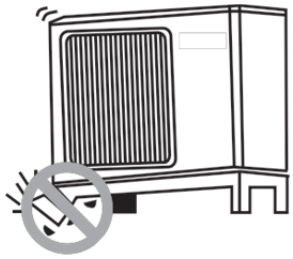
★ **Don't block the inlet and outlet openings of indoor and outdoor unit.**
It can decrease the air conditioning capacity or a malfunction



★ **Don't step on the top of the outdoor unit and place something heavy on it.** Falling off the outdoor unit may cause damage to you and somebody else

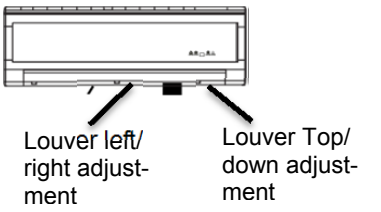
★ **Keep flammable sprays and liquids at least 1 m away from the units.**
It may cause fire or explosion

★ **Please check, if the planned stand is firm**
If it is not, the unit may fall down and cause injury

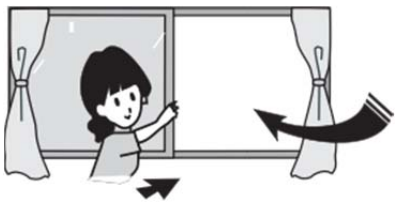


★ **Select an appropriate temperature depending on outside temperature**
Setting very low temperatures consumes very much electricity and money

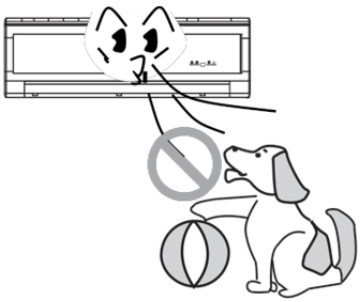
★ **Adjust direction of airflow appropriately**
Direct air flow by adjusting the louvers for vertical and horizontal direction by use of remote control



★ **Don't leave windows and doors open for a longer time while running the unit.**
It can decrease the air conditioning capacity



★ **Don't blow the air directly to and plants.**
It may impact their health, when not properly controlled

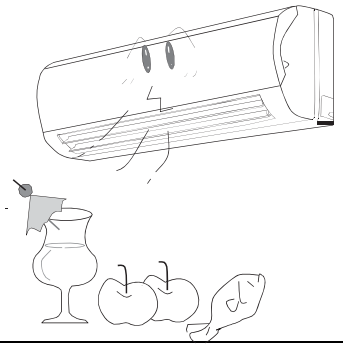


★ **Don't damage the power and signal cords.**
Don't damage or cut the cords. If this has happened, contact service center or other trained and skilled electricians, since wrong repairs may kill you.

★ **Don't splash water on the indoor units.**
It can cause an electric shock and kill you

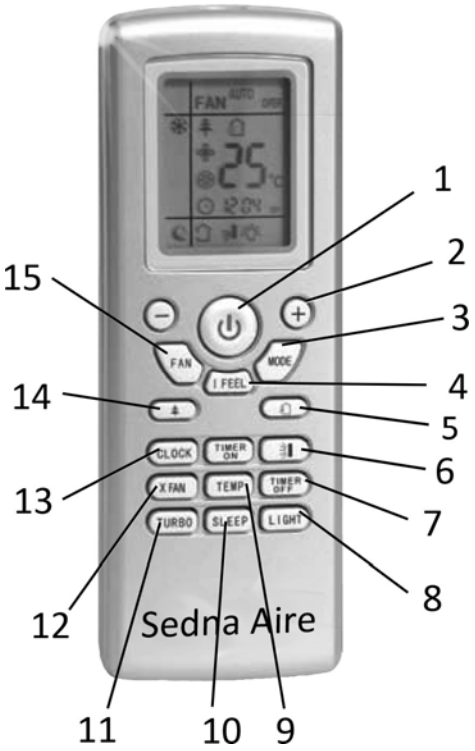
★ **Don't insert your hands or stick into the air intake or outlet vents**
It destroy the air guidance and unit.

★ **Don't use the air conditioner for any other as not designed purposes like, drying clothes, food, etc.** It may overheat and the unit may be damaged.



2. REMOTE CONTROL DESCRIPTION AND MANUAL

Actual remote control may vary, but functionality remains



1 Turns unit on and off

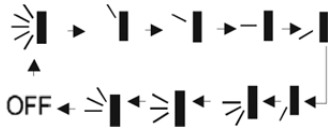
2 Adjusts Temperature setting: (not in Auto mode)
+ to increase temperature, hold 2 sec. for fast change
- to decrease temperature

3 Change operation mode:
press the mode button until you see the desired mode
- Auto, sets automatically
- Cool
- Dry
- Fan
- Heat

4 "I Feel" Enhanced Comfort:
Press the button to switch this function on or off: Then the temperature sensor in the remote control and not in the wall unit will master the control.

5 Air Function:
Press to turn on or off

6 Swing Function: Press to set up&down swing angle of air guide louvers. Various static angles or a dynamic oscillating angle of the louver may be chosen: The first sign on the upper left row indicates the oscillating mode, while the others install a static angle.



7 24 Hour timer: Switch TIMER ON/TIMER OFF on or off. After pressing disappears and "ON" blinks. 00:00 is displayed. Press within 5 sec. "+" or "-" to set time. Every press changes time by 1 min. Holding down the "+" "-" buttons rapidly changes the time setting by 1 min. and then 10 min. After having set, press TIMER-ON/TIMER OFF within 5 sec. to confirm your input

8 Display light on/off: Switch display light on/off

9 Displays set temperature, room temperature or outdoor temperature. The temperature control range for the indoor unit is 16°C to 30°C.

10 "One Touch" sleep function: Press to set the unit to sleeping mode or wake it up again (in Cool, Dry, Heat mode)

11 Turbo Fan
Press the button to cool or heat faster

12 Indoor fan delay: Press to set a fan delay ( ) of 10 min. after you have turned off unit in order to dry unit (only COOL& DRY mode)

13 Clock setting - to set current time
When pressed once, the clock setting mode appears and blinks. Same logic as for the timer setting. After having set, confirm your choice by pressing "CLOCK" and then will be constantly displayed

14 Plasma Ion Generator (if available)
Press the button to switch on or off

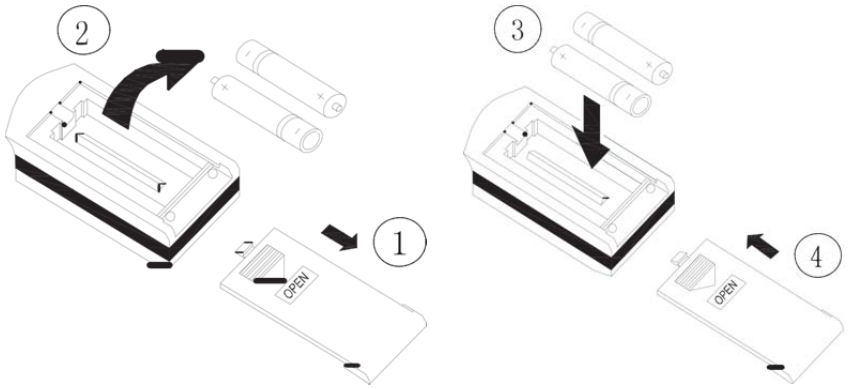
15 Adjustable 3-speed fan
Press the button and "+" or "-" to increase or decrease the desired fan speed

Lock: Press "+" and "-" simultaneously to lock or unlock. If locked, is displayed. When you press any button, blinks 3 times

°F ↔ °C: Switch unit off and press simultaneously MODE and "-"

4. BATTERY CHANGE

1 Press lid and remove it
2 Take old batteries out (2 AAA dry cells)
3 Insert new batteries (2 AAA dry cells)
4 Insert lid again



NOTE

- Don't mix new and used batteries
- Remove batteries when unit is not be used for a longer time
- The batteries hold for appx. one year under usual conditions
- The remote control should be 1 m away from television or audio device, since it could interact under unfavorable conditions with them
- Displace batteries correctly. They are not standard household waste.

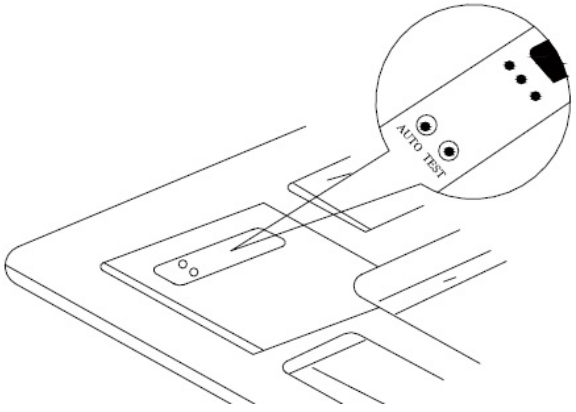
5. USERS NOTES

- The entire capacity of the indoor unit shall not exceed the capacity of the outdoor unit by 150% over a longer time. Otherwise it will reduce the overall capacity
- A breaker(Fuse) needs to be installed for each indoor unit and the capacity has to be according to the indoor unit's electrical parameters. All indoor units are required to be centrally controlled by one switch, which enables to cut off electrical power in case of an emergency. The breakers act as short circuit prevention and to avoid abnormal overloads
- The main switch must be accessible easily and at all times
- Switch of power before cleaning and maintenance of the indoor units
- After having turned off the indoor units, they will continue to work for 20-70 sec. to deplete the residual cool/heat in the unit's evaporator, while preparing for next operation. This is normal
- When the selected mode for the indoor unit does not correspond to the mode of the outdoor unit, the malfunction light will blink on the indoor unit or remote control. Change the operation mode or the indoor unit will stop after 5 sec without entry. The cooling mode is compatible with the Dry mode and the Fan mode is compatible with all modes.

6. EMERGENCY OPERATION FOR LOST/DAMAGED REMOTE CONTROL

When the remote control is lost or damaged, apply following steps by putting the buttons at the display of the cover panel at the cassette (only for CMC24)

- When unit is turned off: Press AUTO. The unit begins to run in cooling mode with the fan at high speed. Temperature will be set at 26°C
- When unit is turned off: Press TEST. The unit begins to run in heating mode with the fan at high speed. Temperature will be set at 20°C
- When unit runs in COOL Mode: press AUTO
- When unit runs in HEAT Mode: press TEST



7. HOW TO OPERATE THE UNIT

1 Connect the unit with power and set eventual breaker on. The unit starts. Note: When unit is powered off, the guide louver of the indoor unit will close
2 When you press the ON/OFF button, the Power/Run indicator switches over to green and shows the running mode (Cool, Heat, Auto). The air conditioner starts now to run.
3 Press the MODE button to switch between the various running modes.
4 Press the SWING button to start or stop the automatic swing mode of the indoor units
5 Press the FAN button to set the desired fan speed.
6 Press the + or - button to set the desired room temperature.
7 Press the SLEEP button to set the unit to sleep
8 Press the TIMER button to set a predefined start and Stop time, for example when you are not around and want to get it started half an hour before you return
9 Press + and - simultaneously and you may lock or unlock the remote control. A lock sign appears in the display
10 Switch unit off. Then press Mode and - simultaneously and you may switch between °F or °C

Note:
In the AUTO mode the unit will automatically adjust its running mode according to the room temperature.

SPECIAL FUNCTIONS

Dehumidifying (only in cooling mode)
Moisture in the indoor unit will be removed after the unit has stopped. This is intended to avoid mildew in the indoor unit.

- When having set X-FAN on: After turning off the unit (On/Off button), the fan in the indoor unit will continue for further 10 min. If you want to stop that too, press X-FAN again.
- When having set X-FAN off: After turning off the unit (On/Off button), the unit will stop at once.

Auto Run
In the AUTO mode the unit will automatically adjust its running mode according to the room temperature. The preset temperature will not be displayed.

Defrost:
When the outdoor temperature is low but the humidity is high, the heat exchanger of outdoor unit may be frosted after the air conditioner has run for a period of time. This will decrease the heating effect. To set this mode on, switch unit off. Press Mode and X-Fan buttons simultaneously for switching on or off and store it to the control. If the unit is under defrost mode, H1 will appear instead of a shown temperature. If you choose heating, the H1 will appear and flicker for 5s. Press + or - and H1 will disappear and the preset temperature show up.

- Both the indoor fan and outdoor fan will be stopped during auto defrost.
- During defrost, steam might flow from the indoor unit.
- The defrosting is carried out until it is completed. All other programs are stacked and will resume upon completion of the defrost process.

Dew at the air outlet:
If the unit runs for a longer time in the cooling mode together with an ambient relative humidity higher than 80% (door and windows are open), dew might drop out near the air outlet.

8. CARE AND MAINTENANCE

⚠ CAUTION

- **Turn off power and pull out the power plug before cleaning the air conditioner.**
- **Never spray or sprinkle water on the indoor unit for cleaning. You may get an electrical shock which could kill you**
- **Volatile liquids /e.g. thinner or gasolines) will damage the air conditioner. So wipe the units with a dry soft cloth or slightly moistened with water or cleanser.**

Clean the front panel

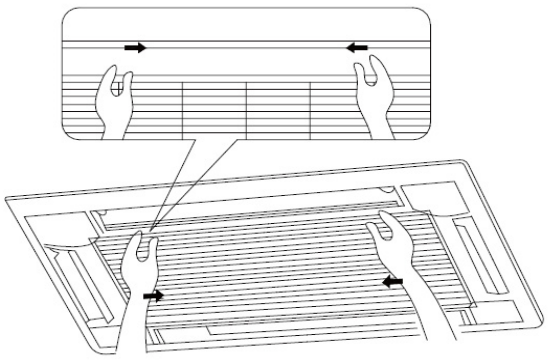
When the indoor unit front panel is dirty, please use a cloth which is slightly moistened with warm water/cleanser under 40 °C, then dry it and wipe off the dirty spots.

NOTE:
The indoor units contains microcomputer components and circuit board in the display which are very sensitive against water. So don't put any water into the interior of the indoor unit.

Clean the air filters in the indoor unit (at least all 6 months recommended)

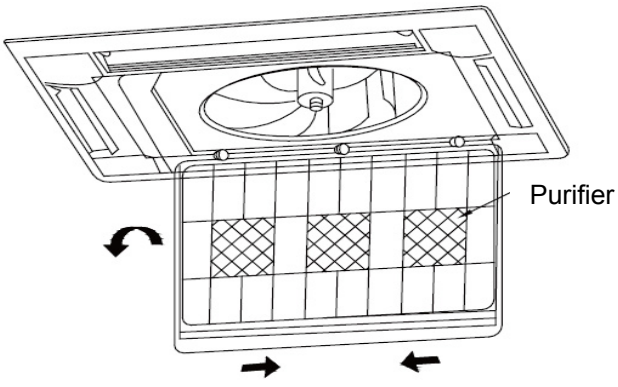
Take out the air filters:

- Open air inlet grill: Loosen the 2 screws on the air inlet grill. Pull the 2 handles on the air inlet grill at the same time in the direction shown in the image right and pull the grille slowly down
- Disassemble the air filter



Disassemble grille

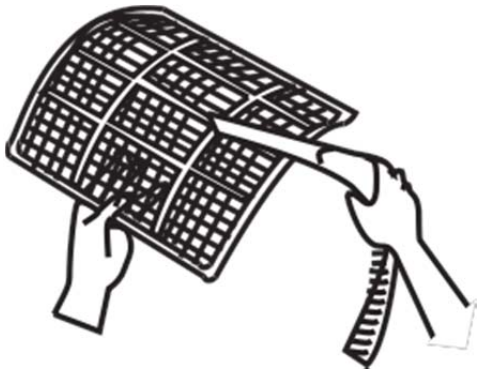
- Use As shown right, pull the handle at the rear side of the grille, raise it and disassemble



Clean the filter

- Use a vacuum cleaner for removing the dust from the filter or
- Wash them with water and a mild cleanser and dry them in the shade (no full sun exposure)

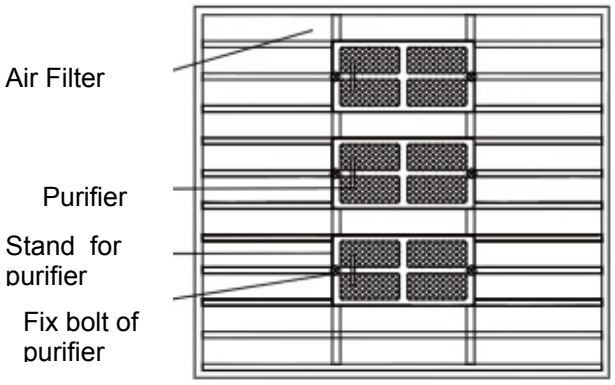
NOTE: Never use water above 45°C to wash filter. This can cause deformation or discoloration. Never parch it by fire, since this could cause a fire or deformation.



Eventually change purifiers

For absorbing CO, CO2, benzene, aldehydes and odors. They can adsorb soluble materials with a particle size smaller than 1μm in air like dust, pollen bacteria etc. Usage time is 6 months and need to be changed:

- Unscrew fixing bolts on purifier and take purifier out
- Install new filters in frame and reinsert purifiers in the air filter



Reinsert the filter

Fix the purifiers on the filter, install filter on the several bulges on top of the grille. Pull the handle behind the grille toward inside to fix the filter. Close the air inlet grill analogue to step 1

Repetitive maintenance of indoor unit

- Turn power off
- Clean air inlet grill
- Clean air inlet filter
- Change air purifier filter
- Clean outlet vent and surface panel

Maintenance before and after usage season

Before season

- Check inlet and outlet vents for blockages
- Check if earthing wire is connected properly
- Check if air filter is clean and installed well
- Check whether the batteries in your remote control or still operational
- Turn on main power 2 hours before use

After season

- Clean filter and body
- Clean outlet vent and surface panel
- Cut off main power supply of air conditioner

9. TROUBLE SHOOTING

⚠ Don't try to repair the air conditioner by yourself. It may cause an electric shock and kill you or damage the unit. Contact authorized service center. Following checks prior to contact may save you money ⚠	
Fault	**Cause analysis**
Air conditioner does not run upon immediate restart after a stop	• Breaker switched off or power cut-off ? • To protect the air conditioner upon immediate restart after a stop, the microcomputer controller will delay the unit for 3 minutes before the air conditioner will run.
Air conditioner starts and stops again immediately	Inlet or outlet vents blocked ?
Air conditioner blows out bad smell when it is initially started.	The air conditioner itself has no bad smell. If any, is the bad smell accumulated from environment. Solution: Clean the air filter . If still any problem, the air conditioner shall be cleaned (Please contact Authorized Service Center)
You may hear "water flowing" noise when the air conditioner is running.	When the air conditioner is started, or the compressor is started or stopped during running or the air conditioner is stopped, sometimes you may hear "hua-hua" or "di-du-di-du" noise. This is the flowing sound of refrigerant other than fault.
Sometimes a thin fog will flow out of the outlet when air conditioner is running in cooling mode.	This might occur when indoor temperature and humidity are high. This is because the indoor air is quickly cooled down. After a period of time, the fog will disappear with the decrease of indoor temperature and humidity.
You may hear a slight crack when the air conditioner is started or stopped.	This is the sound of friction caused by expansion of panel or other parts due to the change of temperature.
Air conditioner does not run.	• Check if power failure? • Has circuit protection device has tripped? • Is the voltage too high or too low? (To be tested by professional technicians). • Is timer function correctly used?
Air conditioner has poor cooling (or heating) effect.	• Air inlet or outlet of outdoor unit blocked? • Air filter clogged by dust? • All doors and windows closed? • Air flow set to "LOW FAN"? • Any other heating source in the room? • Improper temperature setting ? • Direct exposure to sun ?
Indoor unit gives out noise.	• The sound that the fan or compressor relay is switching (close/open). • Air conditioner may give out sounds under defrost or when it is stopped. This is caused due to inverse flow of refrigerant in the unit.
H1: Defrosting	• Is normal

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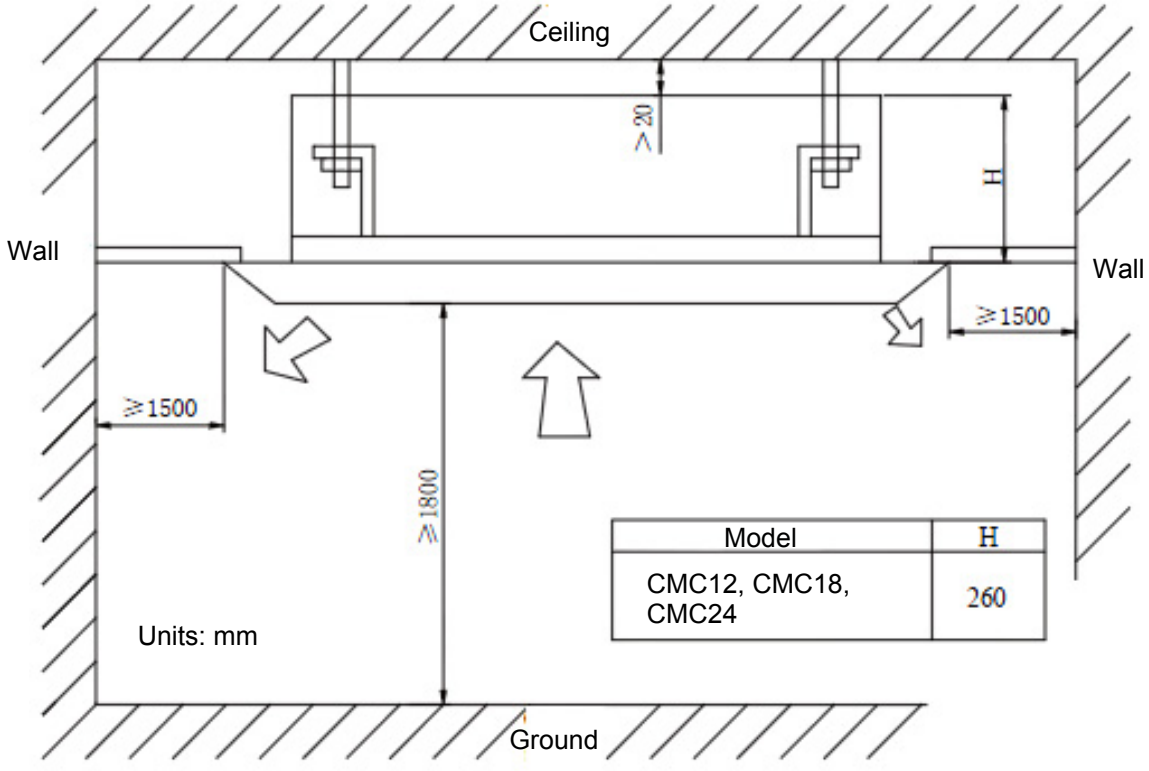
Fault	**Cause analysis**
Remote controller cannot execute control.	• Remote controller sometimes cannot execute control if the air conditioner is subject to abnormal interference or frequent switch of functions. To resume normal operation, just pull out the power and reinsert it properly. • Is the remote control too far away from indoor unit or blocked by any obstacles? • Check the battery in remote controller for power. If low power, replace the battery. • Check, if remote controller is damaged.
Water leaks from indoor unit.	• Air humidity is too high. • Condensing water overflows. • Joint of indoor unit drain pipe is loose.
Water leaks from outdoor unit.	• Under cooling mode, water might condense • on pipe or pipe joint due to cooling. • Defrosted water flows out under heating or defrost (auto defrost) mode. • Under cooling mode, water attached on heat exchanger will drip.
No air blows out from indoor unit.	• When the temperature of indoor heat exchanger is low during heating process, the indoor unit will stop air blowing to prevent blowing of cold air (within 3 minutes). • In HEAT mode: when outdoor temperature is low or humidity is high and much frost on the heat exchanger has developed, unit switches into automatic defrost mode. Indoor unit stops blowing air for 3-12 min. During this water may flow out or steam will appear • Under dehumidify mode, the fan of indoor unit might be stopped sometimes to prevent evaporation of condensing water and inhibit the rise of temperature
Moisture exists on outlet grill.	• If the air conditioning is long running under high humidity, moisture might condense on the grill and drop down.

In the case of following events, please contact authorized service center	
• Air conditioner gives out shrill noise during running. • Air conditioner gives out bad smell during running. • Water leaks indoors. • Air break switch or leakage protection switch trips frequently. • Liquids or water are poured into the machine or remote controller. • Abnormal overheating of power cord and plug.	**STOP THE AIR CONDITIONER AND PULL OUT THE POWER PLUG**

10. LOCATION OF INSTALLATION

Choose a proper location for the indoor and outdoor unit

- The intake and outlet should not be covered, so that the outflowing air can reach all the parts of the room
- Make sure that installation meets schematic diagram of installation spaces



Model	H
CMC12, CMC18, CMC24	260

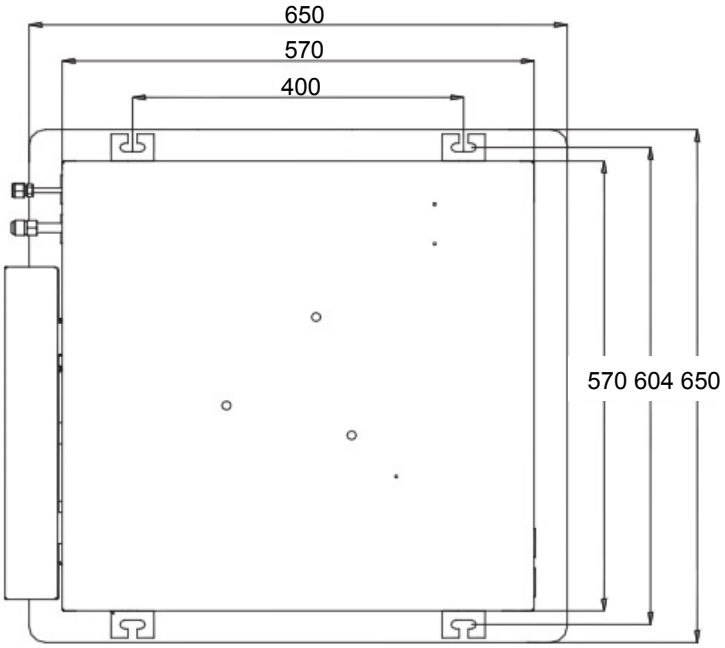
- Make sure the cassette may hang horizontally after installation
- Install in a location, from where the condensation water can be drained easily out and that allows a short and easy connection to the outdoor unit
- Avoid close heat sources, steam or flammable gas
- Choose a location which is strong enough to withstand the weight and vibration of the unit
- Allow enough clearance space to have access for routine maintenance e.g. replacing the filters.
- The height of the installation should be min. 1,8 m above the floor.
- Install cassette in middle of the room to allow optimal air distribution into all corners
- Stay away at least 1m from other electric appliances like TV, audio devices etc.
- Do not locate the indoor unit in the immediate proximity of a laundry, bath, shower, or swimming pool.
- Make sure you can access the plug after having installed the indoor unit.

NOTE : Normally there is lot of dust and lampblacks in the detached ceiling of dining rooms and kitchen, where the cassette will be installed. This may reduce the capacity of the cassette and lead to water leakages and abnormal operations of the water pump. So following precaution shall be done:

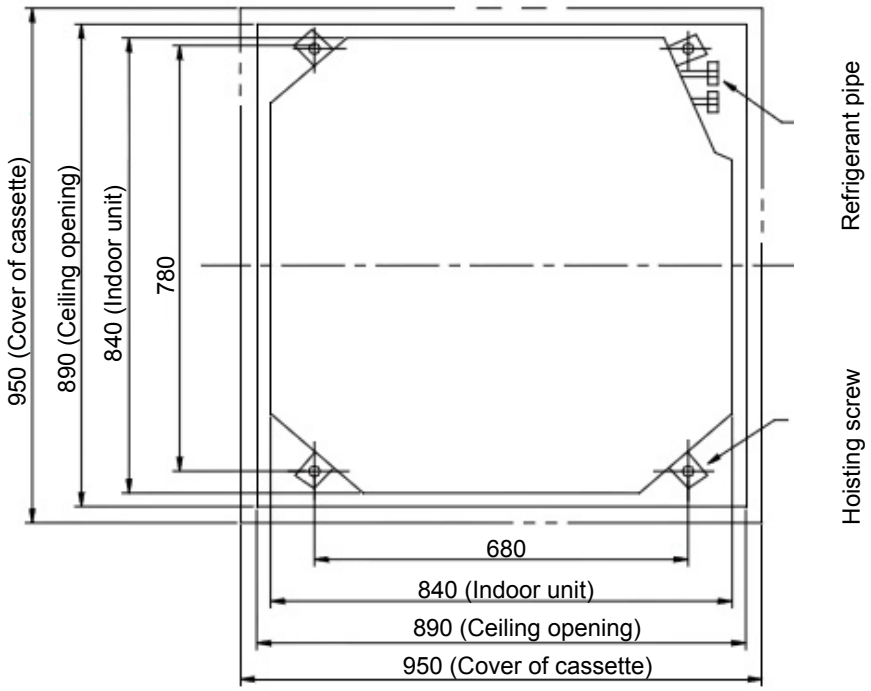
- Make sure the exhaust over the cooker has enough capacity to suck up all cooking particles (esp. grilling and BBQ)
- Keep the cassette as far from the kitchen as possible

11. DIMENSIONS OF CASSETTE UNIT

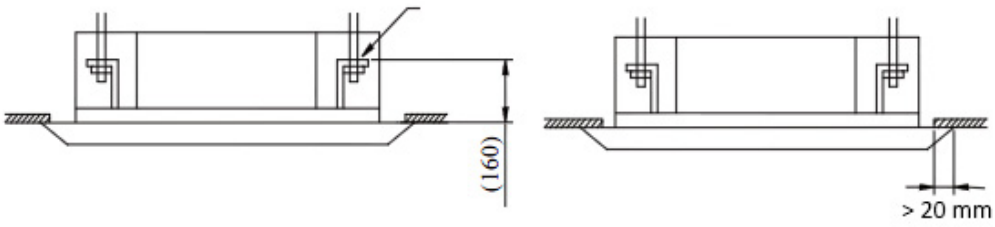
CMC12, CMC18



CMC24



The decorated covers of the cassette shall overlap the ceiling by min. 20 mm:

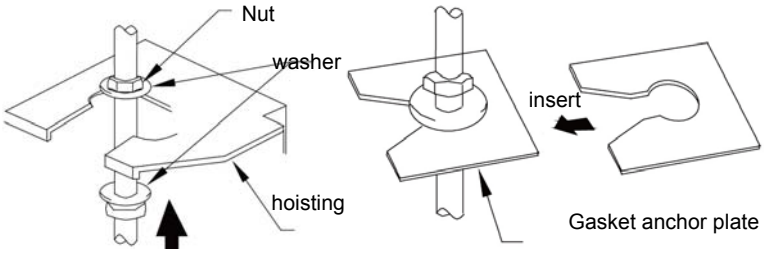


12. INSTALLATION OF INDOOR CASSETTE UNIT

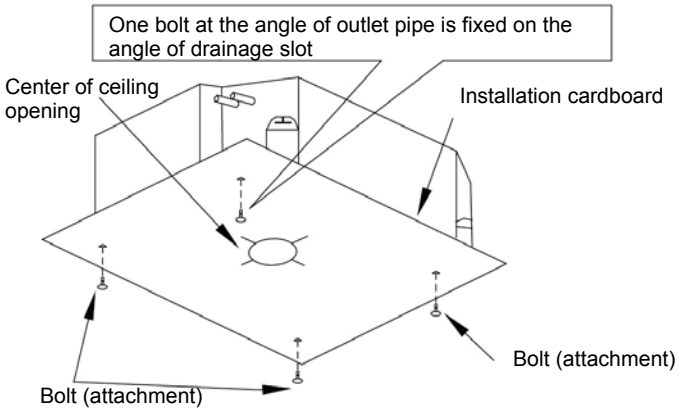
Install mounting rods and unit

- Open the detached ceiling wide enough that you may work without hassle. Clean the area around the opening from dust and dirt. Make sure that you can place the drain hose and wire to the desired locations
- Attach the threaded hoisting rods in the ceiling above using appropriate screws and dowels. Make sure the rods can take up the weight of the cassettes (rods to be supplied by installer)

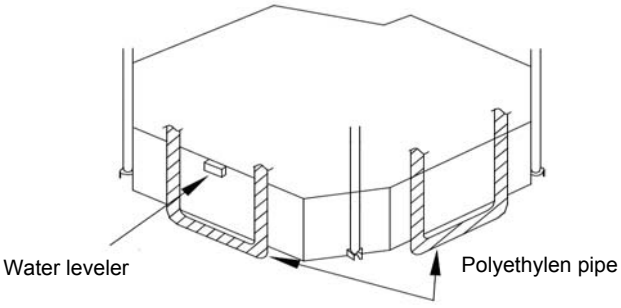
- Thread upper nut and washer and lower nut/gasket on rod.



- Check helping installation cardboard with openings in ceiling
- Central mark of the ceiling opening is marked on the cardboard
- Install helping installation cardboard on unit


One bolt at the angle of outlet pipe is fixed on the angle of drainage slot
Center of ceiling opening
Installation cardboard
Bolt (attachment)
Bolt (attachment)

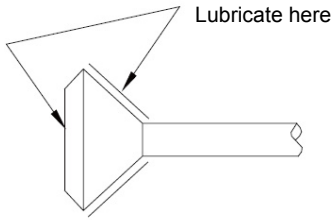
- Hang the unit onto the desired location using the rods and gaskets



- IMPORTANT - Check if the unit is horizontal – if not turn nuts until unit is horizontal. If the unit is not horizontal water may leak, since the included water level switch does not work properly
- Remove the gasket anchor cardboard to avoid breaking of the gasket and tighten the nuts
- Remove the helping installation cardboard

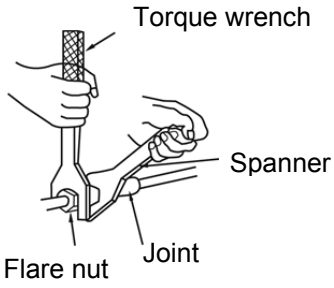
Connect refrigerant pipes

- Lubricate inside and outside of the flare nut with freeze tolerant motor oil and connect gas and liquid pipes by hand



- The taper end of the connecting pipe must be in line with the corresponding taper face of the valve joint. Tighten the nut of the connecting pipe and then use spanner to tighten the nut.

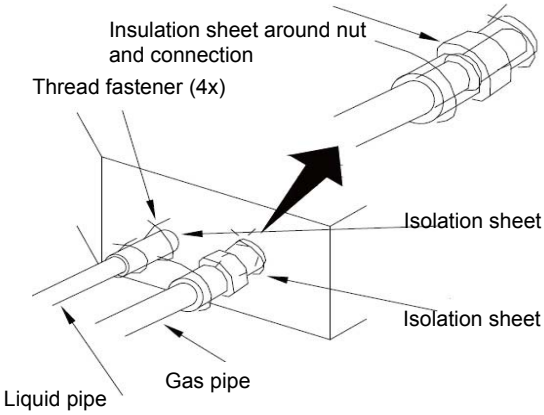
Hexagon nut	Torque (Nm)
Ø 6 - (1/4")	15 – 30
Ø 9,5 - (3/8")	30 – 35
Ø 12 - (1/2")	45 – 50
Ø 16 - (5/8")	60 – 65
Ø 19 - (3/4")	70 – 75



NOTE:
Connect the connecting pipe to the indoor unit first and then connect it to the outdoor unit. Pay attention to the bending and layout when preparing the connecting pipe in order not to harm it. Do not screw the joint nut too tightly, otherwise leakage will be caused.

- Check the connection for leakage. Use water-soap solution

- Insulate gas pipes and their connection to prevent condensation and water leaks by covering provided insulation sheet completely around the connection and nut
- Fasten the isolation sheet against tear-off



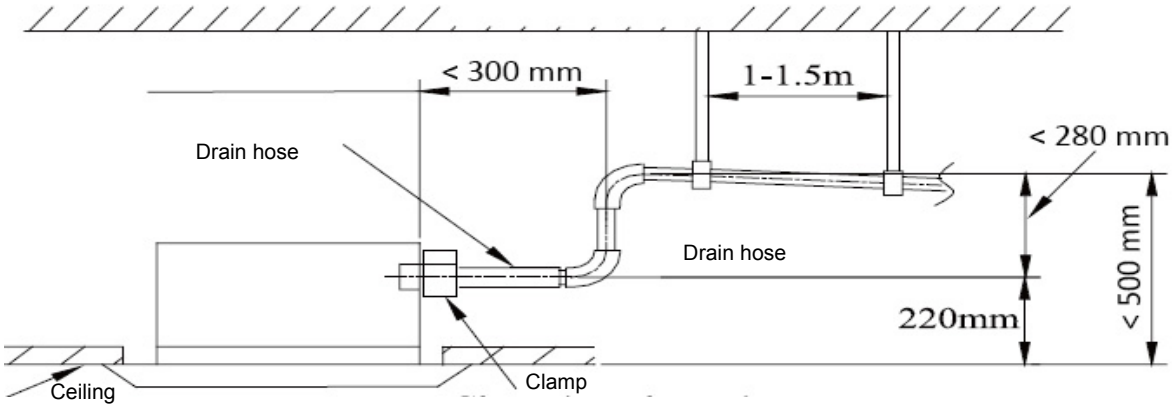
NOTE: PLEASE FOLLOW THIS INSTUCTION. OTHER WISE CONDENSATE DEVELOPS, DROPS AND DAMAGES THE CEILING

Install drain pipe/hose

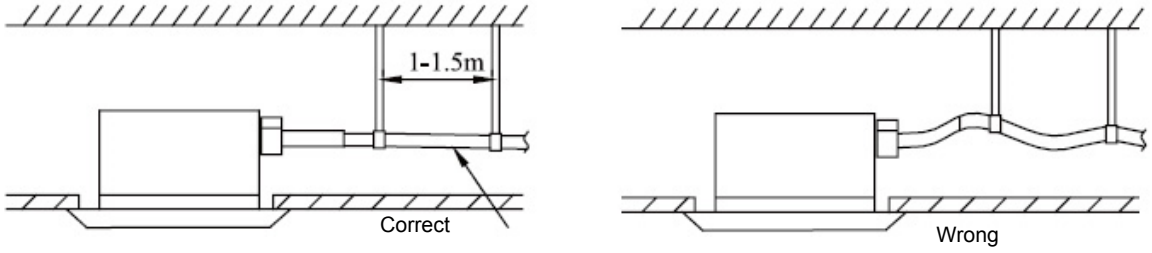
- During cooling condensate occurs and must be drained
- The diameter of the drain hose must be at least of the same size as the drain pipe from the cassette
- The slope of the drain pipe/hose must be min 1% (1cm/1m) and go ALWAYS down. No intermediate bows and inclines are allowed
- The drain hose shall be at short as possible
- Install a siphon at the end of the hose to avoid bad smell

- Provide an uprising hose straight at the beginning of the hose to prevent backflow of the condensate into the unit

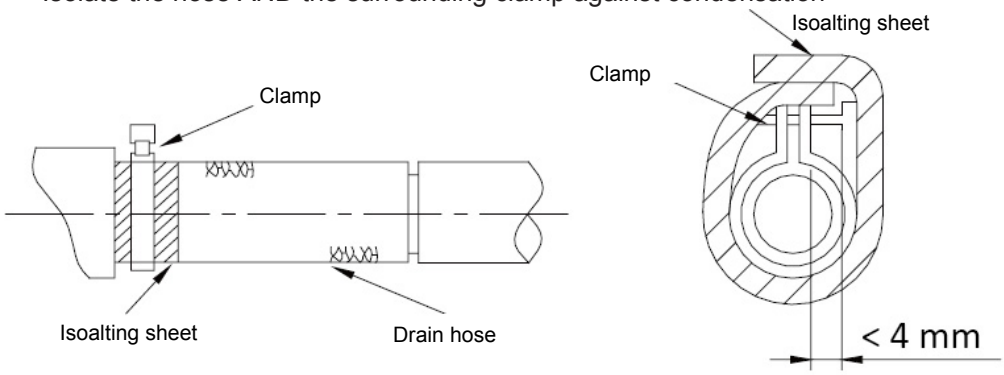
- The raise should be formed with rectangular angles not exceeding a height of 280 mm



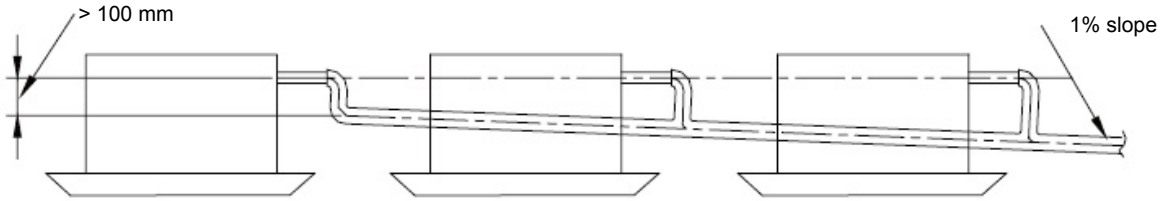
- The hose shall be hung up at rods hanging from the ceiling at a distance of 1-1,5 m by using the clamps
- Insert the hose into the clamp and tighten the clamp



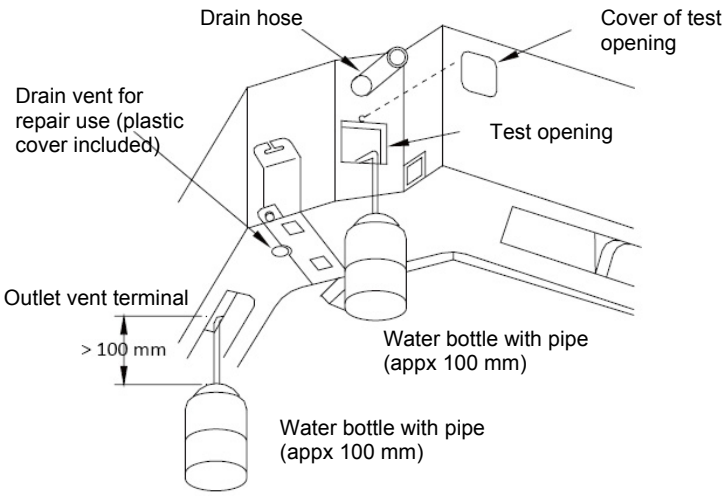
- Isolate the drain hose against the clamp
- Isolate the hose AND the surrounding clamp against condensation



- When you install more cassettes, connect the drain hose serial from the highest to the lowest that always a negative slope downwards exists



- Check proper function of drain. Remove cover of test openings and fill water (600 ml) slowly through the opening and check for:
  - o Work of drainage pump
  - o Removal of water
  - o Potential leaks

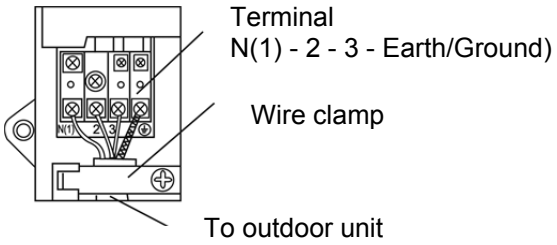

Drain hose
Cover of test opening
Drain vent for repair use (plastic cover included)
Test opening
Outlet vent terminal
> 100 mm
Water bottle with pipe (appx 100 mm)
Water bottle with pipe (appx 100 mm)

- The drain pipe/hose must be isolated with suitable material (5-10mm) to avoid condensation at the outside of the drain hose . Fire prevention class M1
- Are bows or inclines inevitable, install a separate condensate pump with level control acting and regulating on its own.

13. ELECTRICAL WIRING

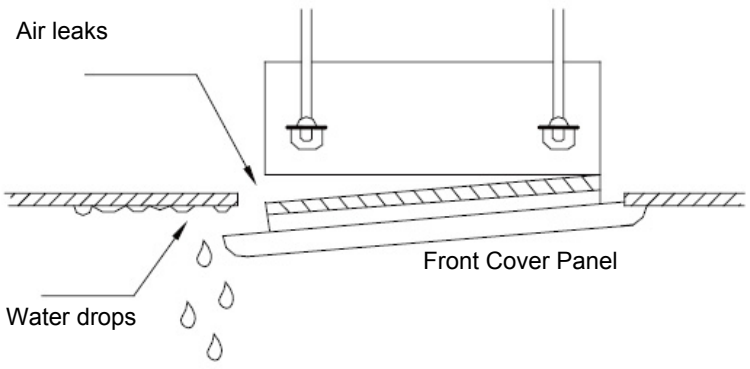
Electrical connection of indoor and outdoor units

- Remove the cover of the electric box
- Pass the power cable through and pull it into the box. Connect the Neutral wire of the power connection cables to the "N (1) "terminal of the terminal board, connect the Signal wire to the "2" terminal, and connect the L- wire to the "3" terminal and connect the earthing wire to the earth ⏚ terminal
- Earthing ⏚ MUST be done. If not it may harm and kill the user
- Fix the cable with the clamp the section of power cable with protective pipe into pressing groove and close the cover plate. Tighten the fixing screws to clamp the connecting cable.
- Put the cover panel back into position
- The wire diameter of all wires must be min. 1,0 mm²



14. INSTALLATION OF FRONT COVER PANEL

- The cover panel must cover the unit and the surrounding ceiling by min 20 mm
- Gaps are not allowed and may cause bypasses of airflow and low efficiencies
- Improper attachment may cause water leakage and harm people and property



- Orientate the cover panel so that the swing flap motor lies in the same corner as the refrigerant pipes

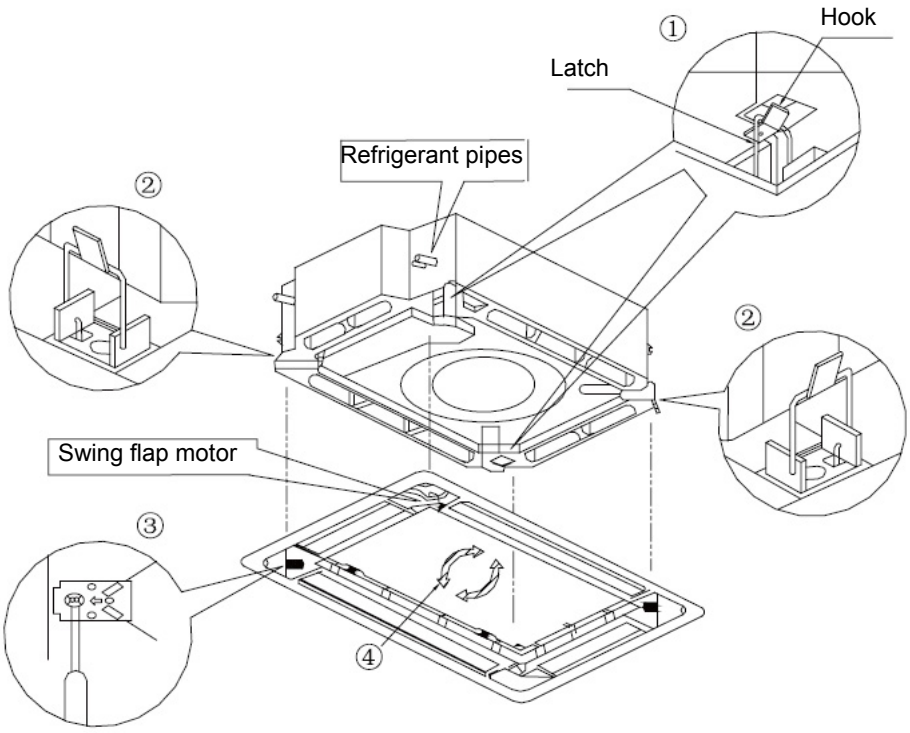
(1) Mount the panel temporarily on the indoor unit. Hang the latch over the hook which is on the opposite side of the swing flap motor

(2) Hang the other 2 remaining latches to the hooks. Be careful not to let the swing motor cable caught in the sealing material

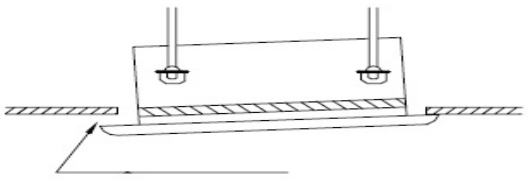
(3) Screw the 4 hexagonal head screws under the latches about 15mm in. The panel rises.

(4) Adjust the panel by turning it along the arrows shown below so that it closes all gaps

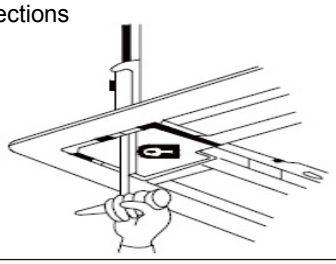
(5) Tighten the screws until the sealing material between panel and indoor unit is 5-8 mm thick



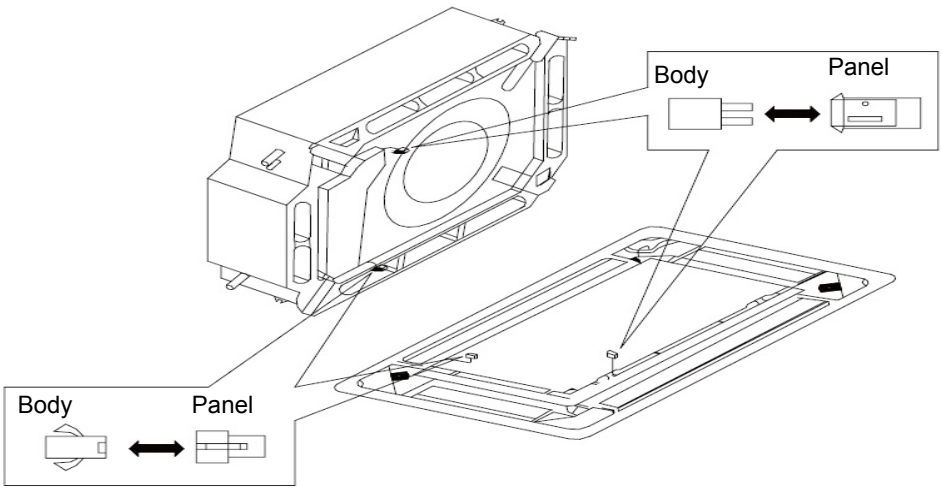
- Make sure no gaps between ceiling and cover panel occur. They are critical and can deteriorate much the cooling capacity due to air flow bypasses



Raise indoor unit by screwing nuts on hanging rods through holes in pane. Make sure you don't harm any connections



Wire the cover panel with indoor unit (Swing flap motor and display)



15. CHECKS AND TEST OPERATION

Preparation

- Do not switch on the power before all installation work is completed.
- Confirm that the control line is correctly installed and all electrical lines are firmly connected.
- Perform all necessary checks to avoid longer installation time and ensure satisfied customer:
  - Gas leakage
  - Thermal insulation
  - Smooth drainage
  - Voltage and grounding
  - Free inlet and outlet at vents
- Document your settings and piping lengths
- Open the shutoff valves of the big and small connecting pipes.
- Remove all foreign articles, especially metal scraps, line ends and forceps, from the unit.

Test run

- Connect to the power supply, press the "ON/OFF" key on the remote controller, and the air-conditioning unit starts to operate.
- Press the Mode key, select the operating modes such as Cool, Heat, Fan, Swing mode and observe if the operation is normal.

16. WARRANTY

Your HVAC comes with a warranty of 2 years for all parts. In order for your warranty to be effective, you must complete out this form and return it to Sedna Aire Europe. For full warranty coverage it needs an approval and signature from the certified and qualified service personnel. It is the responsibility of the owner to provide sufficient prove for its purchase and installation. We recommend to keep all documentations over the full warranty period. Location of installation Country _____ Town _____ Street _____	Purchaser name _____ Purchase Date _____ Model _____ Serial No _____ Owner's phone _____ Owner's email _____ Owner's signature _____ Dealer's name _____ Installer's name _____ Installer's address _____ _____ Installer's signature/stamp

Limited warranty by Sedna Aire Europe

Valid is the warranty claim as published on the Homepage of Sedna Aire Europe at the time of purchase date. Sedna Aire hereby warrants to the consumer that all units are free from defects in materials and workmanship, and will replace or repair system components in accordance with the terms of this Limited Warranty. The terms of this warranty are effective from the date of installation, and apply only to products purchased and installed within Europe and Turkey. The installer shall be responsible for installation in accordance with the Sedna Aire Installation Manual and all building/electrical codes in effect at the time of installation. All transportation, service labor and diagnostic calls other than those specifically allowed by this Warranty are excluded.

This Warranty shall not apply to damaged system components caused by transportation, improper installation, service or alteration, acts of God, improper electrical supply or refrigerant charge, corrosive atmosphere, m1suse or failure to properly maintain equipment. This Warranty does not apply to field-supplied and installed components for this system.

If the warranty offered by Sedna Aire Europe on its Homepage differs from that written here, the always better for the customer applies. For details see www.sednaaireeurope.com

All European certifications passed: CE RoHS

Sedna Aire has a policy of continuous product and product data improvement and it reserves the right to change design and specifications without notice. Solarcool™ is a trademark of Sedna Aire Europe